

IN THE CLAIMS:

1.-14. (Cancelled)

15. (New) A recording medium storing thereon an index table and a plurality of, operation mode objects, wherein

the index table shows a plurality of titles in correspondence with the plurality of operation mode objects, at least one of the operation mode objects being a first operation mode
5 object that is for use in a movie mode, and at least another one of the operation mode objects being a second operation mode object that is for use in a virtual machine,

the first operation mode object includes a navigation command that shows a control procedure,

the second operation mode object includes cache management information, and

10 the cache management information shows, of files that compose applications, which file is to be read to a cache before audio-visual playback of the title corresponding to the second operation mode object when said title becomes a current title.

16. (New) A playback apparatus that performs playback of a title recorded on a recording medium, and execution of an application, the playback apparatus comprising:

a module manager operable to select, based on an index table, a title to become a current title from among a plurality of titles; and

5 a module operable to execute the application, wherein

the recording medium stores thereon an index table and a plurality of operations mode objects,

the index table shows a plurality of titles in correspondence with the plurality of operation mode objects, at least one of the operation mode objects being a first operation mode object that is for use in a movie mode, and at least another one of the operation mode objects being a second operation mode object that is for use in a virtual machine,

10 the first operation mode object includes a navigation command that shows a control procedure,

the second operation mode object includes cache management information, and

15 the cache management information shows, of files that compose applications, which file is to be read to a cache before audio-visual playback of the title corresponding to the second operation mode object when said title becomes a current title, and

20 the module, when a selection of the current title is made, reads to the cache the file shown in the cache management information in the operation mode object corresponding to the current title, before audio-visual playback of said title commences.

17. (New) A recording method for generating volume data and obtaining a recording medium that stores the volume data thereon, wherein

an index table and a plurality of operation mode objects are recorded in the volume data,

5 the index table shows a plurality of titles in correspondence with the plurality of operation mode objects, at least one of the operation mode objects being a first operation mode object that is for use in a movie mode, and at least another one of the operation mode objects being a second operation mode object that is for use in a virtual machine,

10 the first operation mode object includes a navigation command that shows a control procedure,

the second operation mode object includes cache management information, and

the cache management information shows, of files that compose applications, which file is to be read to a cache before audio-visual playback of the title corresponding to the second operation mode object when said title becomes a current title.

18. (New) A playback method that performs playback of a title recorded on a recording medium, and execution of an application, the playback method comprising:

a manager step of selecting, based on an index table, a title to become a current title from among a plurality of titles; and

5 a module step of executing the application, wherein

the recording medium stores thereon an index table and a plurality of operation mode objects,

the index table shows a plurality of titles in correspondence with the plurality of operation mode objects, at least one of the operation mode objects being a first operation mode object that is for use in a movie mode, and at least another one of the operation mode objects
10 being a second operation mode object that is for use in a virtual machine,

the first operation mode object includes a navigation command that shows a control procedure,

the second operation mode object includes cache management information, and

15 the cache management information shows, of files that compose applications, which file is to be read to a cache before audio-visual playback of the title corresponding to the second operation mode object when said title becomes a current title, and

the module step, when a selection of the current title is made, reads to the cache the file shown in the cache management information in the operation mode object corresponding
20 to the current title, before audio-visual playback of said title commences.